

# WELL/SEPTIC PLAN CHECKLIST– CARROLL COUNTY HEALTH DEPARTMENT

\_\_\_\_\_ 1. **Completed application.**

\_\_\_\_\_ 2. **Title, Date, and Revision Date(s).**

\_\_\_\_\_ 3. **Vicinity Map.**

\_\_\_\_\_ 4. **Tax Map Reference** (Map, Block and Parcel).

Property:	_____
Surveyor:	_____
Date received:	_____

\_\_\_\_\_ 5. **A Minimum Scale of 1 inch = 100 feet** is required. For individual well/septic plans, (final) preliminary plan and record plat must be prepared to the same scale. Any property lines to be dissolved must be labeled as such.

\_\_\_\_\_ 6. **Existing and Final Topography** in two (2) foot contours – include cuts and fills. For lots >5 acres: two (2) foot contours required for at least two (2) acres surrounding building site, sewage disposal area, and well or well site. Slopes exceeding 25% must be delineated (Slopes exceeding 12% must be delineated in the case of lots with sand mounds).

\_\_\_\_\_ 7. Boundary of **Soil Classification lines** with soil types denoted, shown superimposed over layout of property. All rock outcrops and drainage ways (including unclassified intermittent streams) must be shown.

\_\_\_\_\_ 8. **Surface water** (streams, springs, ponds, etc) on property and within 100 feet of property boundary with 100 foot or greater setback shown. 300-foot setback from normal high water level of existing or proposed water supply reservoirs must be shown. Boundary of **50-year flood plain** (100-year flood plain is acceptable).

\_\_\_\_\_ 9. **Area within 2500 feet of** normal water level, measured horizontally, for existing and proposed potable **water supply reservoirs** [2 acre minimum lot area; 175 ft. minimum lot width is required].

\_\_\_\_\_ 10. **Area within 5000 feet of water intake** located within a reservoir and/or 5000 feet upstream of intakes on streams used as potable water supply sources [2 acre minimum lot area; 175 ft. minimum lot width is required].

\_\_\_\_\_ 11. All **wells** (including hand dug) and approved (or proposed) well locations (with 100 foot radii) and all **septic systems** and approved sewage disposal areas on the property and within 100 feet of property boundary. Wells/well sites within 200 feet downgrade of the property boundary and septic systems/areas within 200 feet upgrade of the property boundary must be shown. Where available, state well permit (tag) numbers and Health Department file numbers for existing wells and septic systems should be shown on the permitted lots.

\_\_\_\_\_ 12. **Proposed well location** with 100 feet radius around well, at least 30 feet from foundation location, 10 feet from property lines, 15 feet from roads or designated rights-of-way, 100 feet from any identifiable source of contamination (including but not limited to septic systems/areas, infiltration SWM devices, underground fuel storage tanks, feedlots, cemeteries, and sludge sites). Wells may not be proposed in areas 200 feet or less downgrade from sewage disposal areas.

\_\_\_\_\_ 13. **Proposed sewage disposal areas**

\_\_\_\_\_ Must be adequate meeting minimal area/system requirements of COMAR Septic and Subdivision regulations and supported by an adequate number of percolation tests/observation holes. Restricted house sizes may be required based on percolation test results.

\_\_\_\_\_ Must be usable (on contour and at least 50 feet wide on contour) excluding the following:

\_\_\_\_\_ Slopes exceeding 25% and areas within 25 feet of slopes exceeding 25%, including slopes created by cuts/fills. In the case of sand mounds, >12% slopes are excluded and must be delineated.

\_\_\_\_\_ Roads, rights-of-way, driveways, and easements.

\_\_\_\_\_ Areas within 100 feet of drilled wells, approved well locations, dug wells, shallow wells, streams and other surface water (ponds, lakes, wet storm water management ponds, etc.).

\_\_\_\_\_ Areas within 300 feet horizontally from the normal high water level of a water supply reservoir and 200 feet from a stream bank 3,000 feet or less upstream from a water intake on a water supply reservoir or intake on a stream used as a potable water supply.

\_\_\_\_\_ Areas within 25 feet of properly abandoned wells.

\_\_\_\_\_ Areas within 25 feet of temporary storm water management facilities and areas within 50 feet of dry ponds.

\_\_\_\_\_ Areas within 10 feet of property lines and areas within 10 feet of existing or proposed buildings (and/or BAFR) or ruins and any other permanent or physical objects.

\_\_\_\_\_ Areas within 25 feet of rock outcrops or drainage ways (natural or manmade).

\_\_\_\_\_ Areas within 25 feet of unsatisfactory percolation tests (satisfactory percolation test(s) will be required to demonstrate a change in soils when in vicinity of failing tests.)

(over)

- \_\_\_\_\_ 14. **Percolation test information:**  
a. All proposed, satisfactory; and unsatisfactory test locations must be shown.  
b. Plan must include results of all tests on property. Satisfactory tests must include test depth(s) and time(s). Unsatisfactory tests must include the reason for failure (include depth)
- \_\_\_\_\_ 15. **Rights-of-way and street arrangements.**
- \_\_\_\_\_ 16. **Easements** including utility and drainage, forest conservation, water resource, etc.
- \_\_\_\_\_ 17. **Storm Water management devices.** All devices must be shown including those required on individual lots.
- \_\_\_\_\_ 18. **Property lines, lot dimensions and areas.** Lot area must meet requirements of subdivision regulations.
- \_\_\_\_\_ 19. **Minimum building lines.** Lot width must meet requirements of subdivision regulations.
- \_\_\_\_\_ 20. **Building locations** and/or buildable area for Residence (BAFR) and **driveway locations**
- \_\_\_\_\_ 21. **Percolation test certification** signed by the surveyor stating that all percolation tests/observation holes have been field located and are accurately shown on the plan.
- \_\_\_\_\_ 22. **Well/septic note** stating that there are no other wells or septic systems within 100 feet of the property boundary other than shown.
- \_\_\_\_\_ 23. **Pump note** stating that a pumped sewage disposal system may be required: *"If gravity flow to sewage disposal area cannot be ensured, a pumped sewage disposal system will be required."*
- \_\_\_\_\_ 24. **Adequate area note** as follows on individual septic plans: *"For construction of dwellings exceeding a three bedroom house size (450 gpd), it must be demonstrated that there is adequate area for an initial and two replacement septic systems in accordance with COMAR 26.04.02.04F (Effective 11/18/85)."*
- \_\_\_\_\_ \*\*In some cases, it will be necessary to demonstrate that the sewage disposal area will accommodate an original and two replacement septic systems.
- \_\_\_\_\_ 25. **Pretreatment notes and other details** for lots which require nitrate pretreatment of sewage effluent.  
– Note on record plat and final preliminary plan: *"For lots \_\_\_\_\_: Building permit approval requires advanced pretreatment of sewage with a minimum \_\_\_\_\_ percent ( \_\_\_\_ %) nitrate reduction. On-going maintenance will be required."*  
– References to the pretreatment note must be included on the final preliminary plan at the pretreatment chamber and within the lot on the record plat for the lots specified.
- \_\_\_\_\_ 26. **Public water/sewer notes and other details** for projects using public water and sewer.  
– Health Department signature block must contain note stating, "Community water supply and/or community sewerage systems are in conformance with the Carroll County Master Plan."  
– Owner certification must state that public water and public sewer will be available to all lots offered for sale.  
– Water and sewer connections must be shown for each lot on the appropriate plans.
- \_\_\_\_\_ 27. **Groundwater Appropriation Permit** (for subdivision of 10 lots or more).
- \_\_\_\_\_ 28. **Hydrogeologic Study** (required under certain circumstances).
- \_\_\_\_\_ 29. **Test well(s)** completed to determine groundwater adequacy and/or quality.
- \_\_\_\_\_ 30. **Percolation test and/or other fees.**
- \_\_\_\_\_ 31. **Date of most recent sludge application** (for properties used as sewage sludge disposal sites).